

JOINT
PUBLIC NOTICE

CHARLESTON DISTRICT, CORPS OF ENGINEERS
69A Hagood Avenue
Charleston, South Carolina 29403-5107

and
THE S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Office of Environmental Quality Control
Water Quality Certification and Wetlands Programs Section
2600 Bull Street
Columbia, South Carolina 29201

REGULATORY DIVISION
Refer to: P/N # 2010-1389-6F

March 6, 2014

Pursuant to Sections 401 and 404 of the Clean Water Act (33 U.S.C. 1341), an application has been submitted to the Department of the Army and the South Carolina Department of Health and Environmental Control by

Richland County Stormwater Department
c/o Marcus Sizemore
Dennis Corporation
410 Mill Street, Suite 401
Mount Pleasant, SC 29464

for a permit to place fill material in

DEVILS DITCH

At a location between S. Bonham Road and S. Beltline Boulevard, Richland County, South Carolina. (Latitude 33.974553 N Longitude 80.991763 W)

In order to give all interested parties an opportunity to express their views

NOTICE

is hereby given that written statements regarding the proposed work will be received by the **Corps** until

15 Days from the Date of this Notice,

and **SCDHEC** will receive written statements regarding the proposed work until

30 Days from the Date of this Notice

from those interested in the activity and whose interests may be affected by the proposed work.

The proposed work consists of the placement of rip-rap and armoring in a tributary. In detail, the work consists of placing rip-rap, armoring, and toe reinforcements for maintenance and stabilization in 845 linear feet of Devils Ditch. According to the applicant, the maintenance and stabilization is to address water quality concerns, particularly runoff and trash/debris that has built up over years. The applicant has stated that the activity will result in minimal individual and cumulative adverse impacts and has not proposed mitigation at this time. The District Engineer has not reached a decision as to the applicant's request to waive the mitigation requirement. According to the applicant, the project purpose is to address water quality concerns in the area through maintenance and stabilization.

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The District Engineer has concluded that the discharges associated with this project, both direct and indirect, should be reviewed by the South Carolina Department of Health and Environmental Control in accordance with provisions of Section 401 of the Clean Water Act. As such, this notice constitutes a request, on behalf of the applicant, for certification that this project will comply with applicable effluent limitations and water quality standards. The District Engineer will not process this application to a conclusion until such certification is received. The applicant is hereby advised that supplemental information may be required by the State to facilitate the review. Persons wishing to comment or object to Water Quality Certification must submit all comments in writing to the S.C. Department of Health and Environmental Control at the above address within thirty (30) days of the date of this notice.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. Implementation of the proposed project would impact freshwater habitat upstream of estuarine substrates and emergent wetlands utilized by various life stages of species comprising the red drum, shrimp, and snapper-grouper management complexes. Our initial determination is that the proposed action would not have a substantial individual or cumulative adverse impact on EFH or fisheries managed by the South Atlantic Fishery Management Council and the National Marine Fisheries Service (NMFS). Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

Pursuant to Section 7(c) of the Endangered Species Act of 1973 (as amended), the District Engineer has consulted the most recently available information and has determined that the project is not likely to adversely affect any Federally endangered, threatened, or proposed species or result in the destruction or adverse modification of designated or proposed critical habitat. This public notice serves as a request for written concurrence from the U.S. Fish and Wildlife Service and/or the National Marine Fisheries Service on this determination.

Pursuant to Section 106 of the National Historic Preservation Act (NHPA), this public notice also constitutes a request to Indian Tribes to notify the District Engineer of any historic properties of religious and cultural significance to them that may be affected by the proposed undertaking.

In accordance with the NHPA, the District Engineer has also consulted the latest published version of the National Register of Historic Places for the presence or absence of registered properties, or properties listed as being eligible for inclusion therein, and this worksite is not included as a registered property or property listed as being eligible for inclusion in the Register. To insure that other cultural resources that the District Engineer is not aware of are not overlooked, this public notice also serves as a request to the State Historic Preservation Office to provide any information it may have with regard to historic and cultural resources.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for a public hearing shall state, with particularity, the reasons for holding a public hearing.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the activity on the public interest and will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency (EPA), under authority of Section 404(b) of the Clean Water Act and, as appropriate, the criteria established under authority of Section 102 of the Marine Protection, Research and Sanctuaries Act of 1972, as amended. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the project must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the project will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and

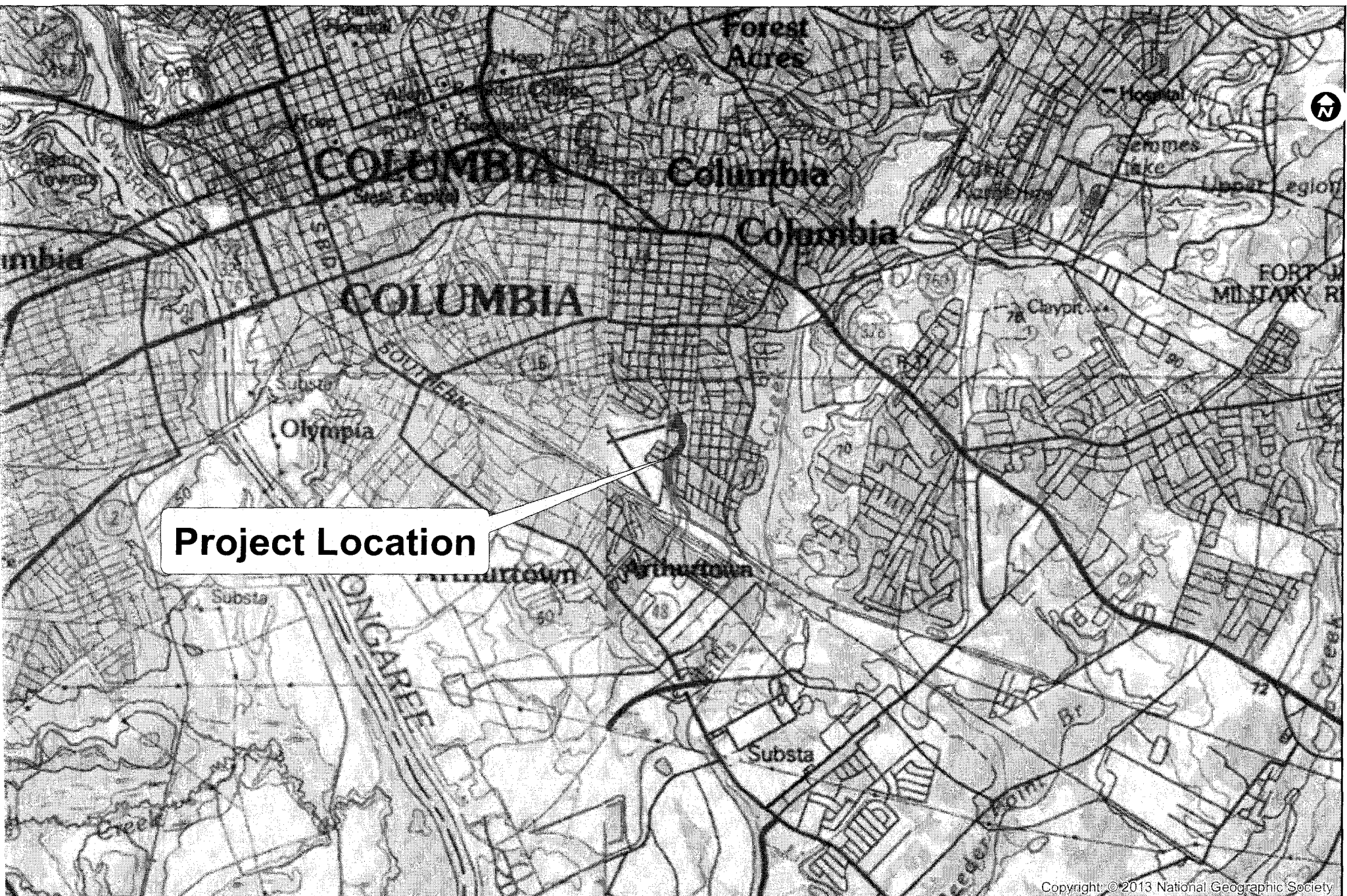
March 6, 2014

conservation, water quality, energy needs, safety, food and fiber production and, in general, the needs and welfare of the people. A permit will be granted unless the District Engineer determines that it would be contrary to the public interest. In cases of conflicting property rights, the Corps of Engineers cannot undertake to adjudicate rival claims.

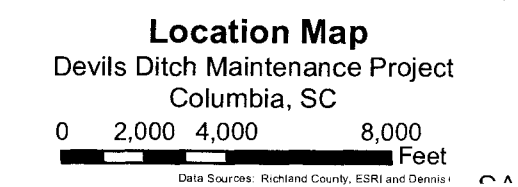
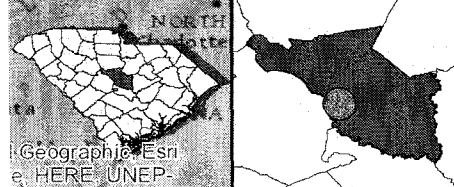
The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this project. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

If there are any questions concerning this public notice, please contact **Kristin Riegel at 803-253-3903**.

Project Location

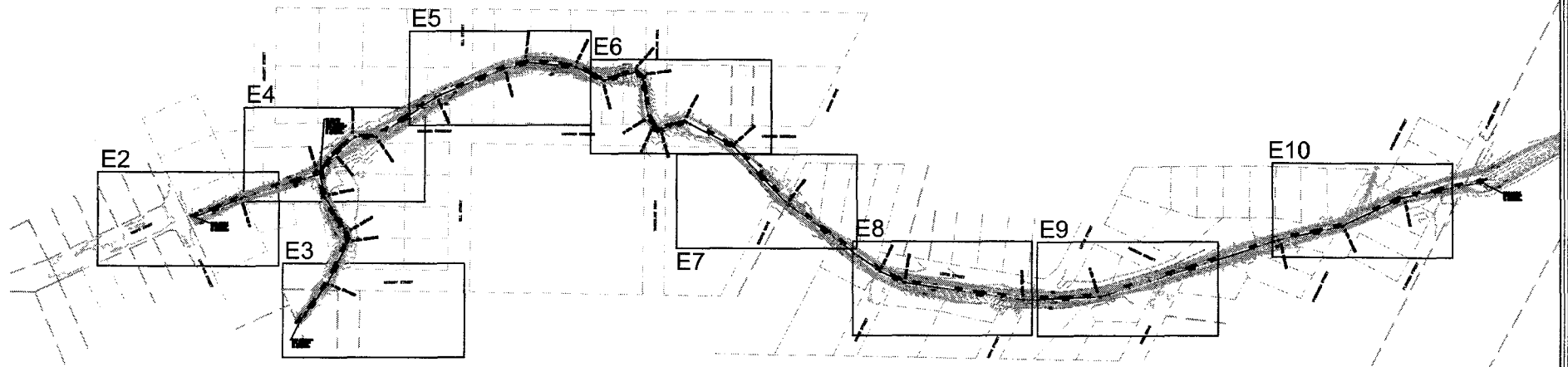


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Prepared for: 
Prepared by: **DENNIS**
CORPORATION

Sheet
1



APPLICATION BY RICHLAND COUNTY
PROJECT#: CPS11103
SAC#: 2010-1389
DEVILS DITCH REHABILITATION PROJECT
RICHLAND COUNTY, SC
DATE: 02/14
INITIALS: RKT
REVISION DATE: 02-28-2014

SAC-2010-1389-6F

Sheet 2 of 12

E1
Sheet

Scale
1" = 350'

Project
R0010.07

Devils Ditch Maintenance Plan
for
Richland County Public Works

February 2014

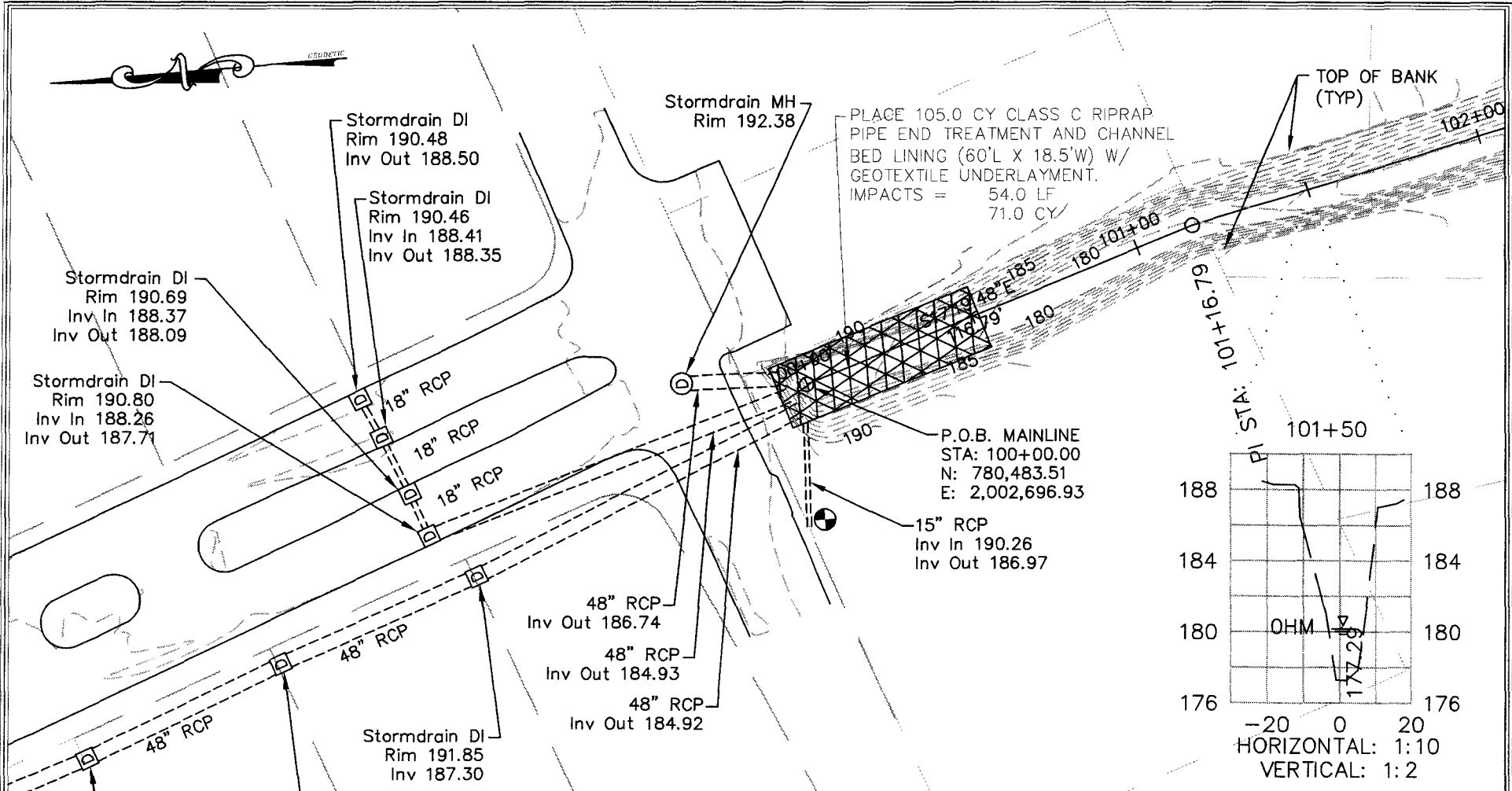
Richland County

South Carolina

USACE EXHIBIT
KEY PLAN

DENNIS
CORPORATION

1800 Huger Street - Columbia, SC 29201 - 803.252.0991



APPLICATION BY RICHLAND COUNTY
PROJECT#: CPS11103
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RICHLAND COUNTY, SC
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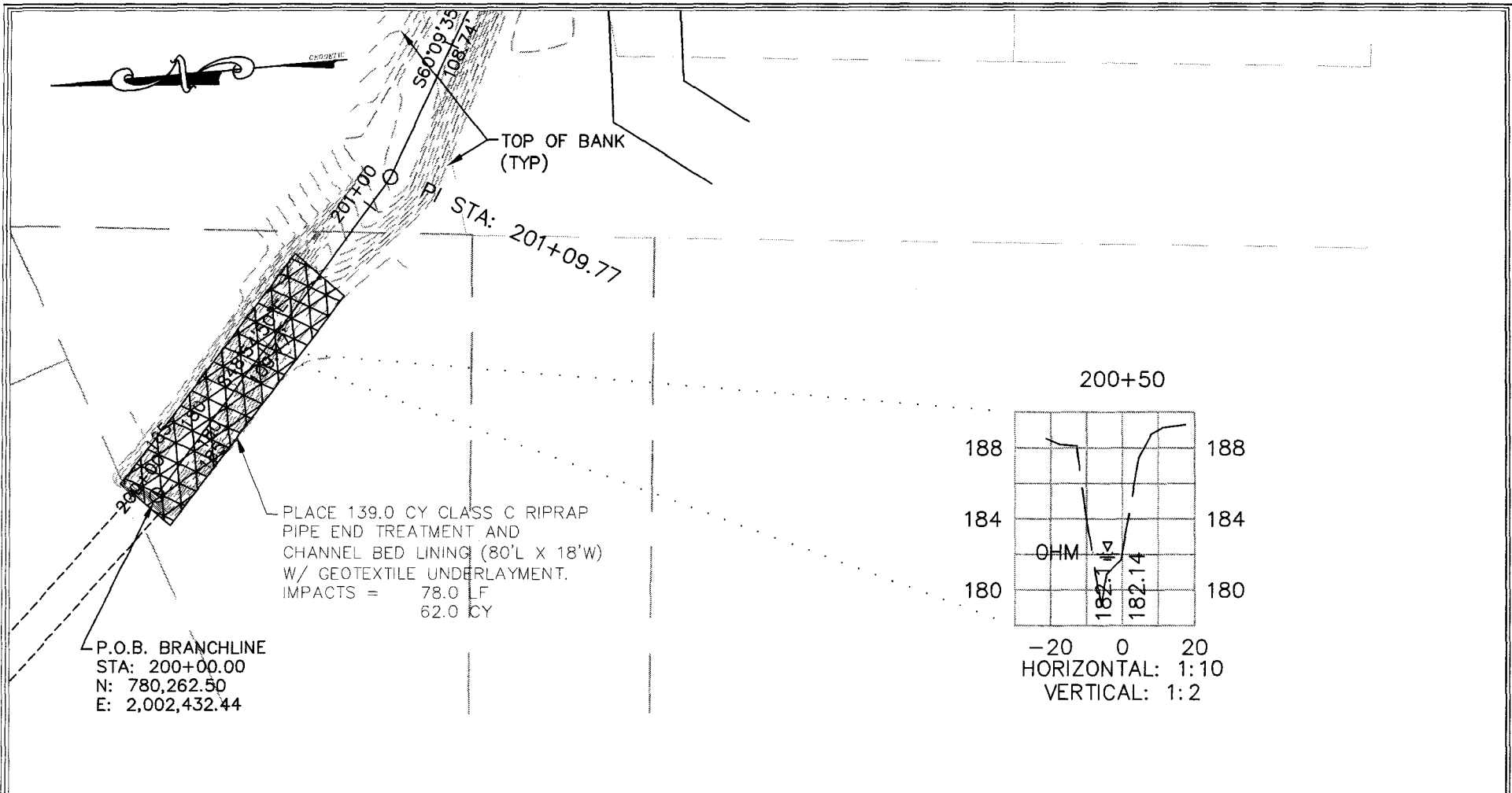
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 -CY OF CLASS C RIPRAP: 71.0 (54 LF)
 -CY OF ARMORING: 0.0 (0 LF)
 -CY OF TOE REINFORCEMENT: 0.0 (0 LF)

IMPACTS TOTAL
 -CY OF CLASS B RIPRAP: 27.5 (88 LF)
 -CY OF CLASS C RIPRAP: 340.0 (282 LF)
 -CY OF ARMORING: 101.0 (425 LF)
 -CY OF TOE REINFORCEMENT: 30.0 (50 LF)

LEGEND
 CLASS B RIPRAP
 CLASS C RIPRAP
 BANK ARMORING*

*BANK ARMORING:
 GROUTED CLASS B RIPRAP

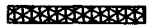

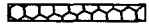
SAC-2010-1389-6F Sheet 3 of 12




APPLICATION BY RICHLAND COUNTY
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 RICHLAND COUNTY, SC
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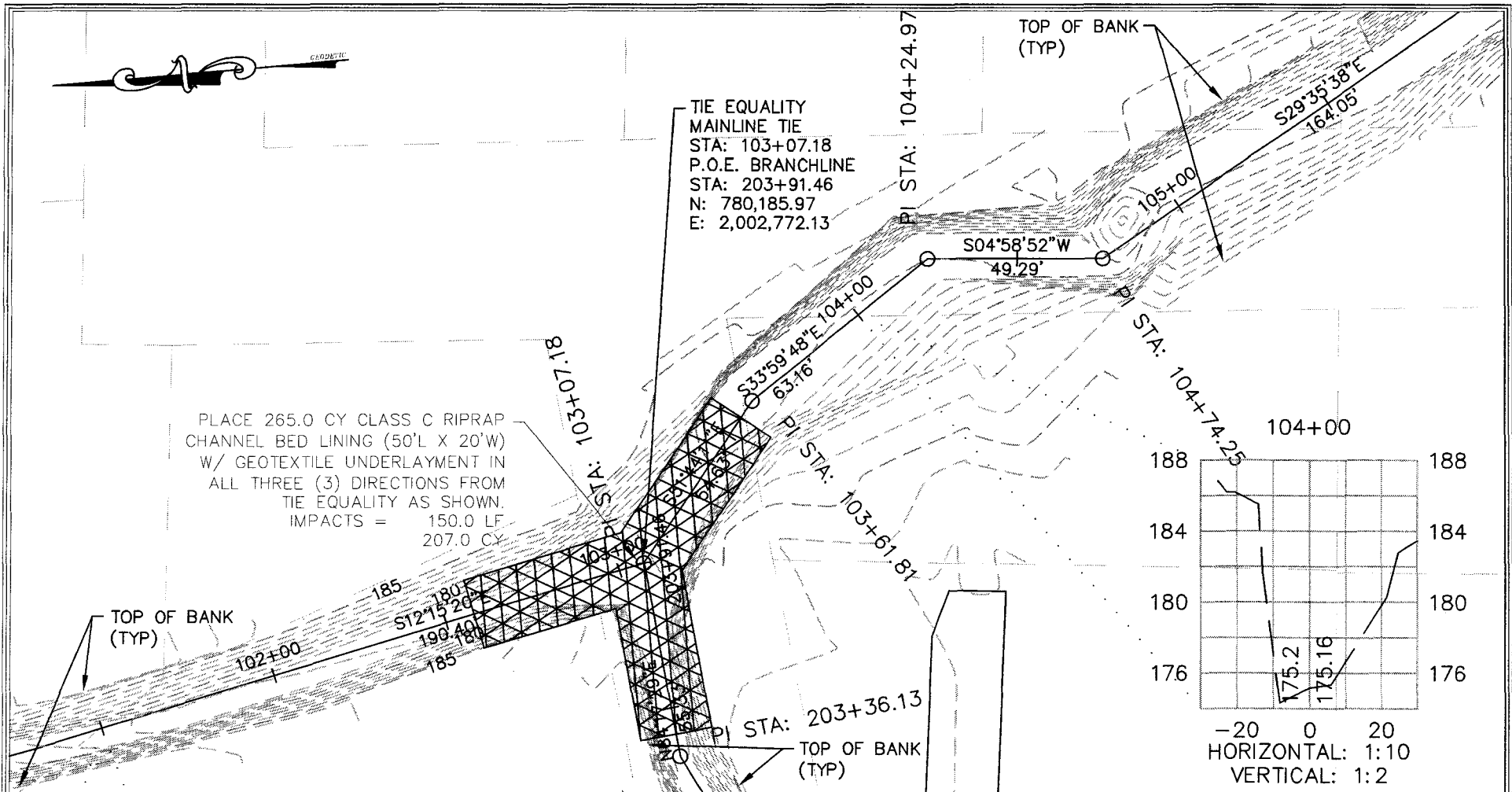
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 -CY OF ARMORING: 0.0 (0 LF)
 -CY OF TOE REINFORCEMENT: 0.0 (0 LF)

IMPACTS TOTAL
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 -CY OF CLASS C RIPRAP: 340.0 (282 LF)
 -CY OF ARMORING: 101.0 (425 LF)
 -CY OF TOE REINFORCEMENT: 30.0 (50 LF)

LEGEND
 CLASS B RIPRAP 
 CLASS C RIPRAP 
 BANK ARMORING* 
 *BANK ARMORING:
 GROUTED CLASS B RIPRAP

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E3 Sheet	Scale 1" = 40'	Project R0010.07	Devils Ditch Maintenance Plan for Richland County Public Works			USACE EXHIBIT 2 of 9	 <small>1800 Huger Street • Columbia, SC 29201 • 803.252.0991</small>
			February 2014	Richland County	South Carolina		






PLACE 265.0 CY CLASS C RIPRAP CHANNEL BED LINING (50'L X 20'W) W/ GEOTEXTILE UNDERLAYMENT IN ALL THREE (3) DIRECTIONS FROM TIE EQUALITY AS SHOWN.
 IMPACTS = 150.0 LF
 207.0 CY

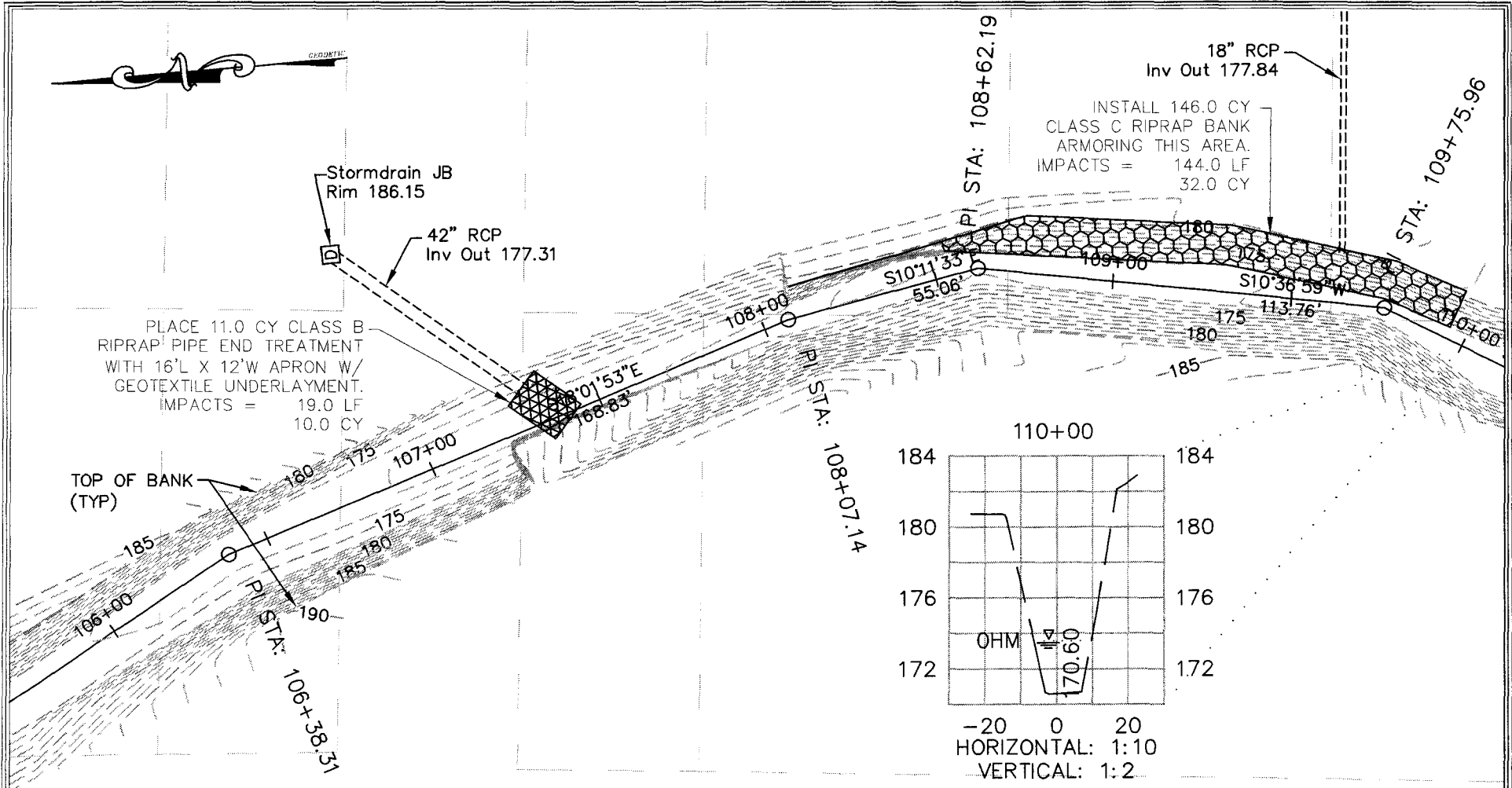
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 PROJECT#: CPS11103
 SAC#: 2010-1389
 DEVILS DITCH REHABILITATION PROJECT
 RICHLAND COUNTY, SC
 DATE: 02/14
 INITIALS: RKT
 REVISION DATE: REVISION DATE: 02-28-2014

IMPACTS THIS SHEET
 -CY OF CLASS B RIPRAP: 0.0 (0 LF)
 -CY OF CLASS C RIPRAP: 207.0 (150 LF)
 -CY OF ARMORING: 0.0 (0 LF)
 -CY OF TDE REINFORCEMENT: 0.0 (0 LF)

IMPACTS TOTAL
 -CY OF CLASS B RIPRAP: 27.5 (88 LF)
 -CY OF CLASS C RIPRAP: 340.0 (282 LF)
 -CY OF ARMORING: 101.0 (425 LF)
 -CY OF TDE REINFORCEMENT: 30.0 (50 LF)

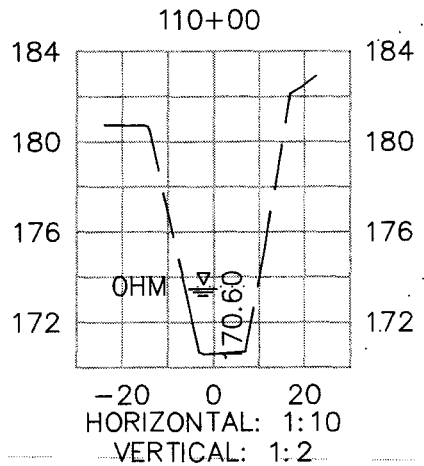
LEGEND
 CLASS B RIPRAP 
 CLASS C RIPRAP 
 BANK ARMORING* 
 *BANK ARMORING: GROUTED CLASS B RIPRAP

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PLACE 11.0 CY CLASS B RIPRAP PIPE END TREATMENT WITH 16'L X 12'W APRON W/ GEOTEXTILE UNDERLAYMENT.
 IMPACTS = 19.0 LF
 10.0 CY

INSTALL 146.0 CY CLASS C RIPRAP BANK ARMORING THIS AREA.
 IMPACTS = 144.0 LF
 32.0 CY



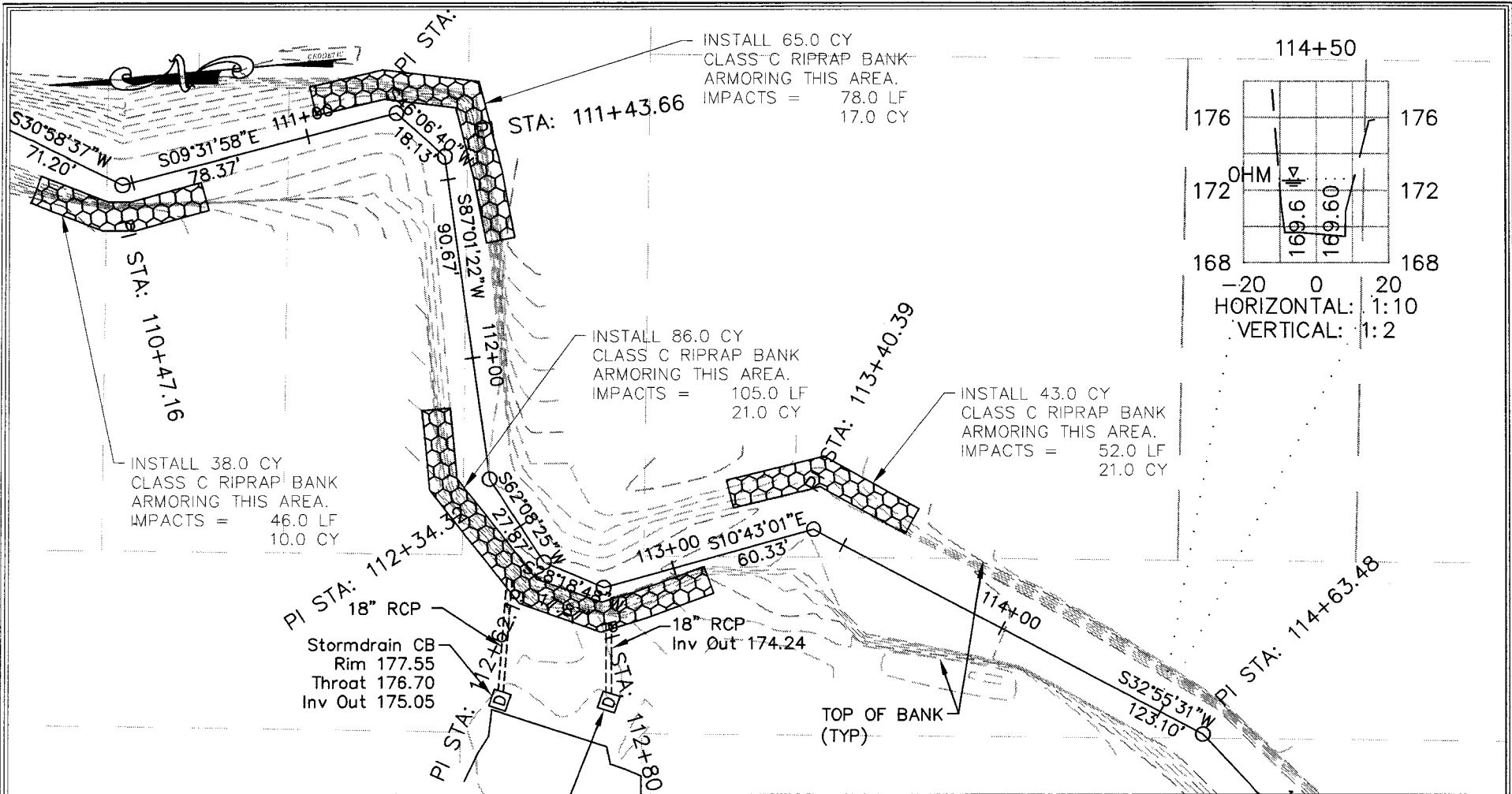
APPLICATION BY RICHLAND COUNTY
 PROJECT#: CPS11103
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 DEVILS DITCH REHABILITATION PROJECT
 RICHLAND COUNTY, SC
 DATE: 02/14
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 REVISION DATE: REVISION DATE: 02-28-2014

IMPACTS THIS SHEET
 -CY OF CLASS B RIPRAP: 10.0 (19 LF)
 -CY OF CLASS C RIPRAP: 0.0 (0 LF)
 -CY OF ARMORING: 32.0 (144 LF)
 -CY OF TDE REINFORCEMENT: 0.0 (0 LF)

IMPACTS TOTAL
 -CY OF CLASS B RIPRAP: 27.5 (88 LF)
 -CY OF CLASS C RIPRAP: 340.0 (282 LF)
 -CY OF ARMORING: 101.0 (425 LF)
 -CY OF TDE REINFORCEMENT: 30.0 (50 LF)

LEGEND
 CLASS B RIPRAP [Hatched Pattern]
 CLASS C RIPRAP [Cross-hatched Pattern]
 BANK ARMORING* [Dashed Line]
 *BANK ARMORING: GROUTED CLASS B RIPRAP

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 DATE: 02/14
 INITIALS: RKT
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IMPACTS THIS SHEET
 -CY OF CLASS B RIPRAP: 0.0 (0 LF)
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 -CY OF ARMORING: 69.0 (281 LF)
 -CY OF TOE REINFORCEMENT: 0.0 (0 LF)

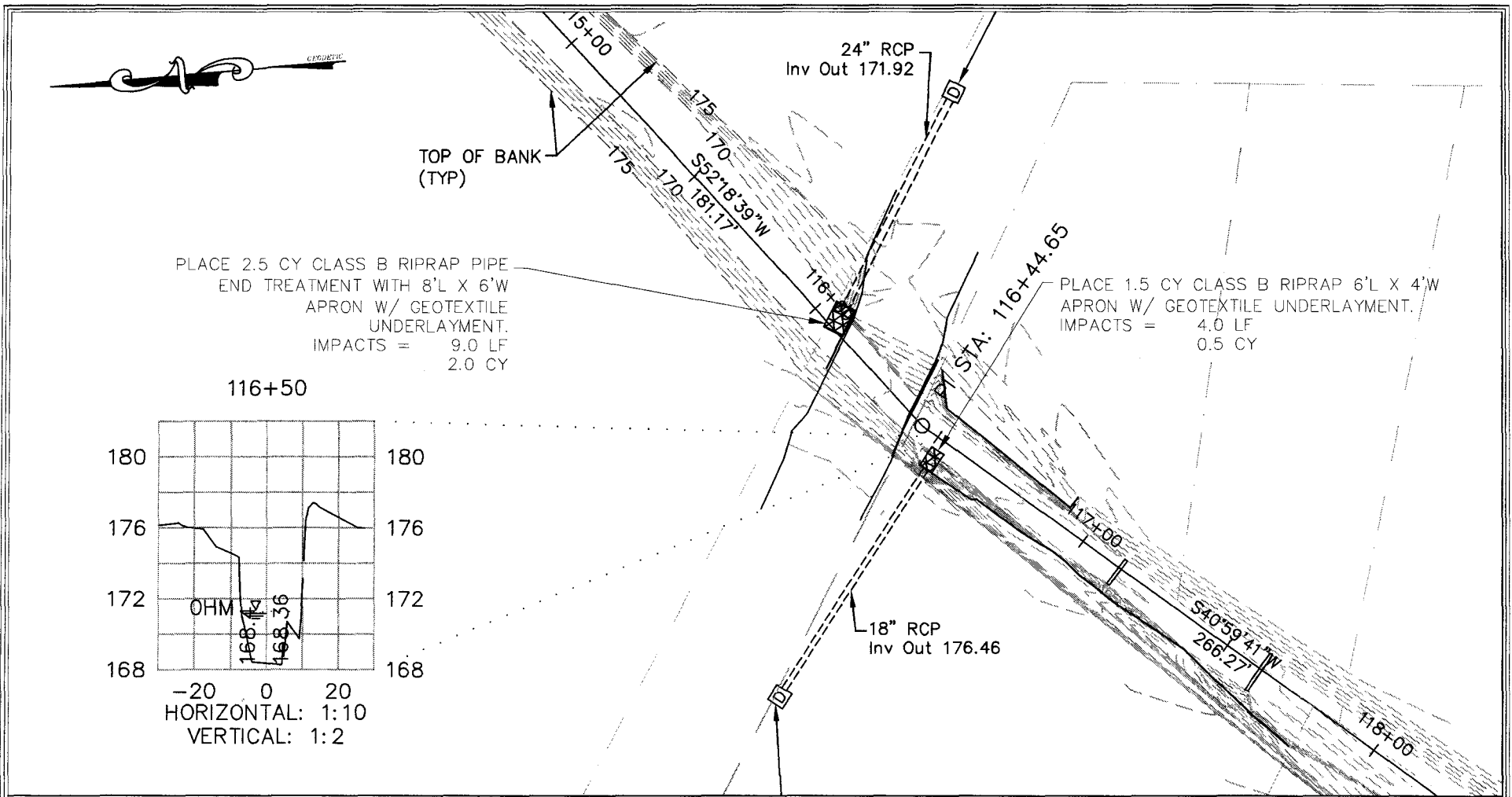
IMPACTS TOTAL
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 -CY OF CLASS C RIPRAP: 340.0 (282 LF)
 -CY OF ARMORING: 101.0 (425 LF)
 -CY OF TOE REINFORCEMENT: 30.0 (50 LF)

LEGEND
 CLASS B RIPRAP
 CLASS C RIPRAP
 BANK ARMORING*

*BANK ARMORING: GROUTED CLASS B RIPRAP

SAC-2010-1389-6F


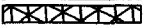

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APPLICATION BY RICHLAND COUNTY
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 DEVILS DITCH REHABILITATION PROJECT
 RICHLAND COUNTY, SC
 DATE: 02/14
 INITIALS: RKT
 REVISION DATE: REVISION DATE: 02-28-2014

IMPACTS THIS SHEET
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 -CY OF CLASS C RIPRAP: 0.0 (0 LF)
 -CY OF ARMORING: 0.0 (0 LF)
 -CY OF TOE REINFORCEMENT: 0.0 (0 LF)

IMPACTS TOTAL
 -CY OF CLASS B RIPRAP: 27.5 (88 LF)
 -CY OF CLASS C RIPRAP: 340.0 (282 LF)
 -CY OF ARMORING: 101.0 (425 LF)
 -CY OF TOE REINFORCEMENT: 30.0 (50 LF)

LEGEND
 CLASS B RIPRAP 
 CLASS C RIPRAP 
 BANK ARMORING* 
 *BANK ARMORING:
 GROUTED CLASS B RIPRAP

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Project
R0010.07

Scale
1" = 40'

Sheet
E7

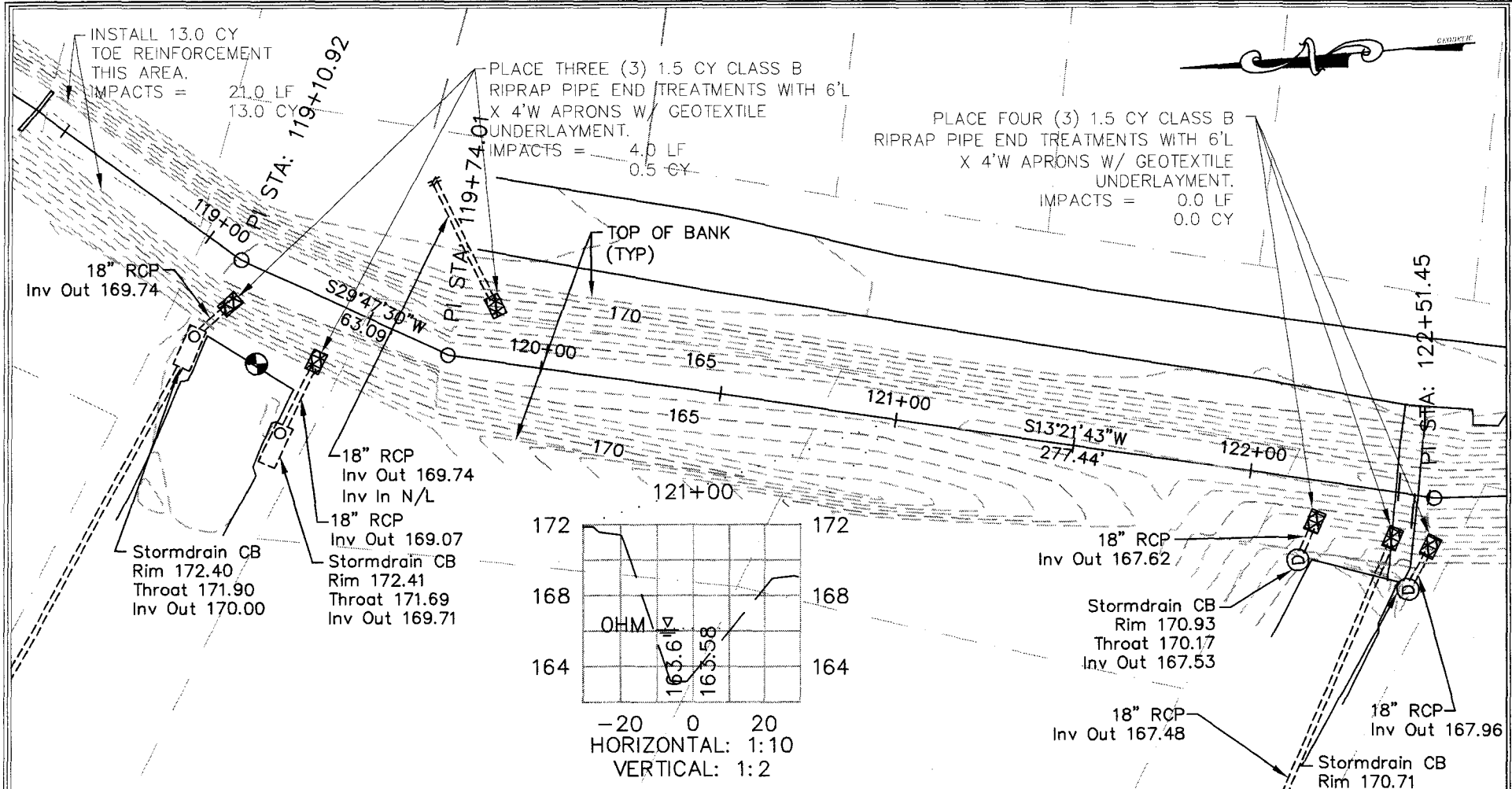
Devis Ditch Maintenance Plan
for
Richland County Public Works

February 2014 Richland County South Carolina

USACE EXHIBIT
6 of 9

DENNIS
CORPORATION

1800 Huger Street - Columbia, SC 29201 - 803.252.0991



APPLICATION BY RICHLAND COUNTY

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IMPACTS THIS SHEET

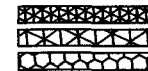
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 -CY OF CLASS C RIPRAP: 0.0 (0 LF)
 -CY OF ARMORING: 0.0 (0 LF)
 -CY OF TOE REINFORCEMENT: 13.0 (21 LF)

IMPACTS TOTAL

-CY OF CLASS B RIPRAP: 27.5 (88 LF)
 -CY OF CLASS C RIPRAP: 340.0 (282 LF)
 -CY OF ARMORING: 101.0 (425 LF)
 -CY OF TOE REINFORCEMENT: 30.0 (50 LF)

LEGEND

CLASS B RIPRAP
 CLASS C RIPRAP
 BANK ARMORING*

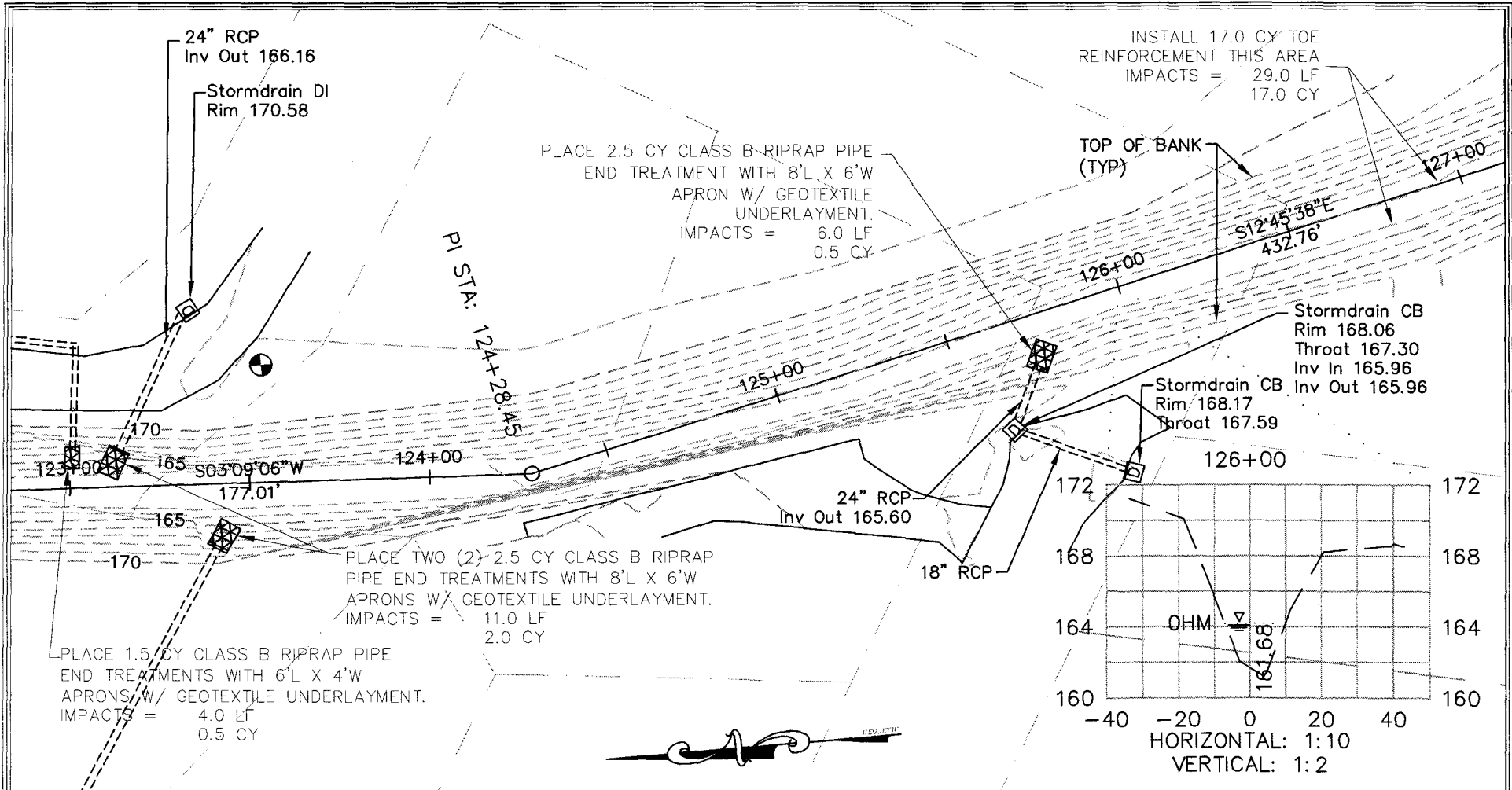


*BANK ARMORING:
 GROUTED CLASS B RIPRAP

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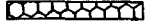
E8 Sheet	Scale 1" = 40'	Project R0010.07	Devils Ditch Maintenance Plan for Richland County Public Works			USACE EXHIBIT 7 of 9	 1800 Huger Street - Columbia, SC 29201 - 803.252.0991
			February 2014	Richland County	South Carolina		



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IMPACTS THIS SHEET
 -CY OF CLASS B RIPRAP: 3.0 (21 LF)
 -CY OF CLASS C RIPRAP: 0.0 (0 LF)
 -CY OF ARMORING: 0.0 (0 LF)
 -CY OF TOE REINFORCEMENT: 17.0 (29 LF)

IMPACTS TOTAL
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 -CY OF CLASS C RIPRAP: 340.0 (282 LF)
 -CY OF ARMORING: 101.0 (425 LF)
 -CY OF TOE REINFORCEMENT: 30.0 (50 LF)

LEGEND
 CLASS B RIPRAP 
 CLASS C RIPRAP 
 BANK ARMORING* 
 *BANK ARMORING:
 GROUTED CLASS B RIPRAP

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Project
R0010.07

Scale
1" = 40'

Sheet
E9

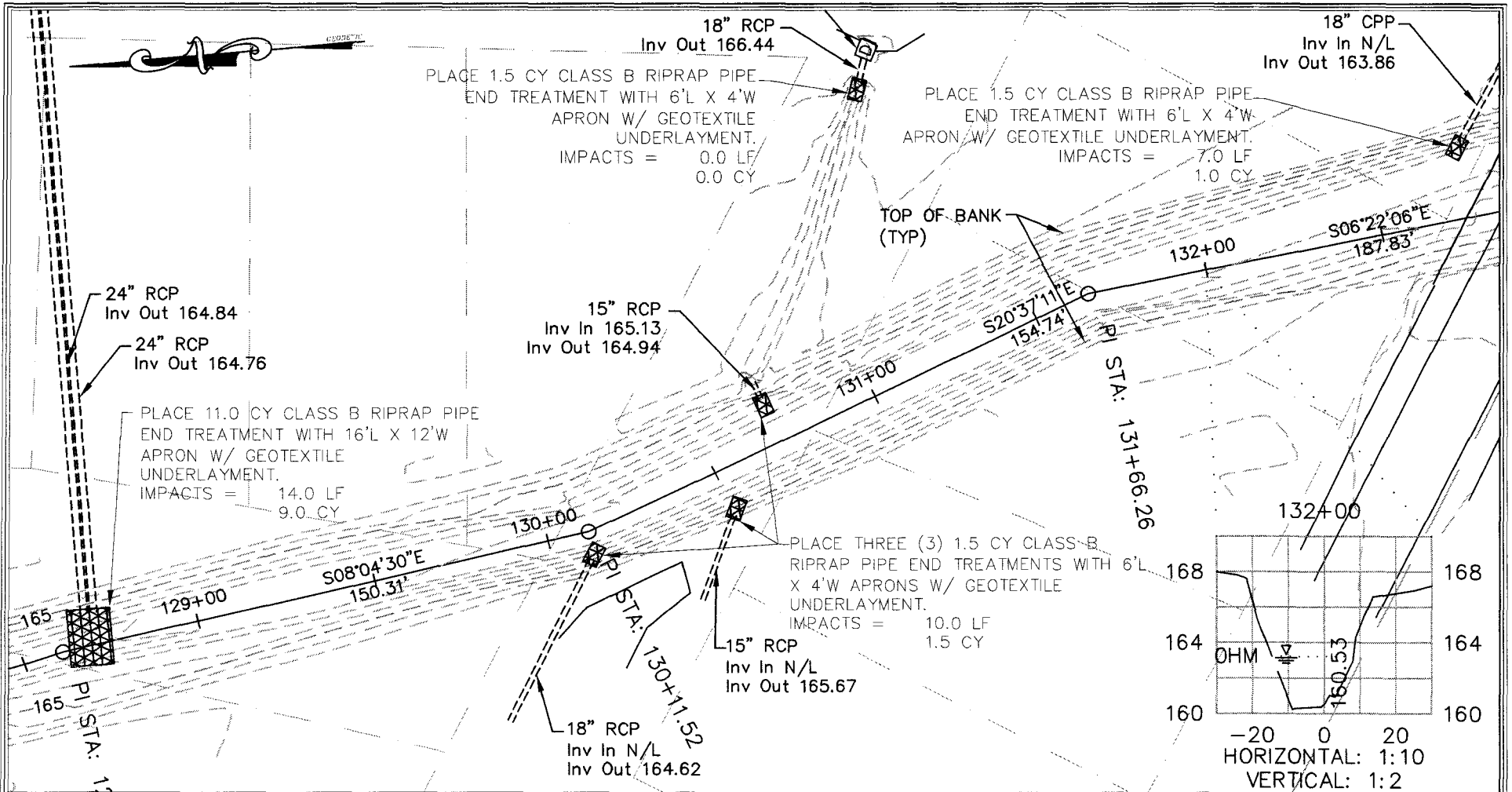
Devils Ditch Maintenance Plan
for
Richland County Public Works

February 2014 Richland County South Carolina

USACE EXHIBIT
8 of 9

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CORPORATION

1800 Huger Street - Columbia, SC 29201 - 803.252.0991



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 RICHLAND COUNTY, SC
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 REVISION DATE: REVISION DATE: 02-28-2014

IMPACTS THIS SHEET
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 -CY OF CLASS C RIPRAP: 0.0 (0 LF)
 -CY OF ARMORING: 0.0 (0 LF)
 -CY OF TOE REINFORCEMENT: 0.0 (0 LF)

IMPACTS TOTAL
 -CY OF CLASS B RIPRAP: 27.5 (88 LF)
 -CY OF CLASS C RIPRAP: 340.0 (282 LF)
 -CY OF ARMORING: 101.0 (425 LF)
 -CY OF TOE REINFORCEMENT: 30.0 (50 LF)

LEGEND
 CLASS B RIPRAP [Symbol]
 CLASS C RIPRAP [Symbol]
 BANK ARMORING* [Symbol]

*BANK ARMORING:
 GROUTED CLASS B RIPRAP

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E10
 Sheet
 1" = 40'
 Scale
 Project
 R0010.07

Devis Ditch Maintenance Plan
 for
 Richland County Public Works

February 2014 Richland County South Carolina

USACE EXHIBIT
 9 of 9

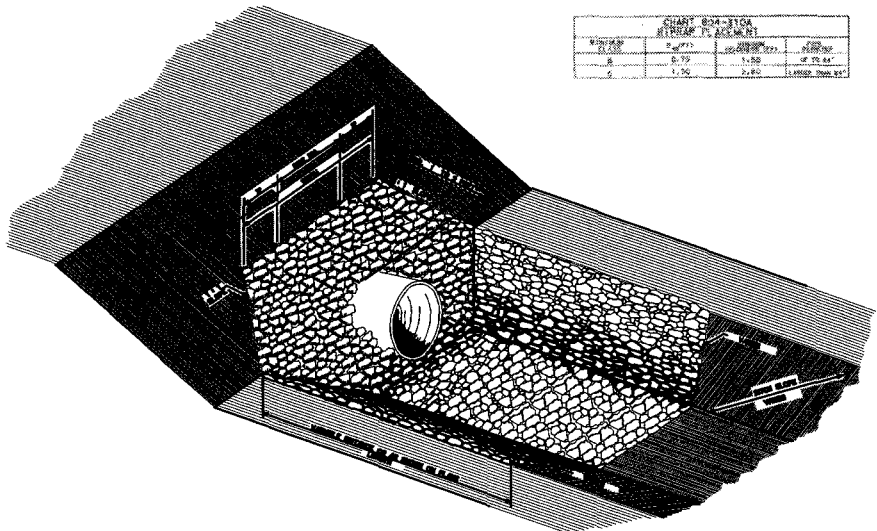
DENNIS
 CORPORATION

1800 Huger Street - Columbia, SC 29201 - 803.252.0991

RIPRAP OUTLET & CHANNEL BED LINING DETAIL

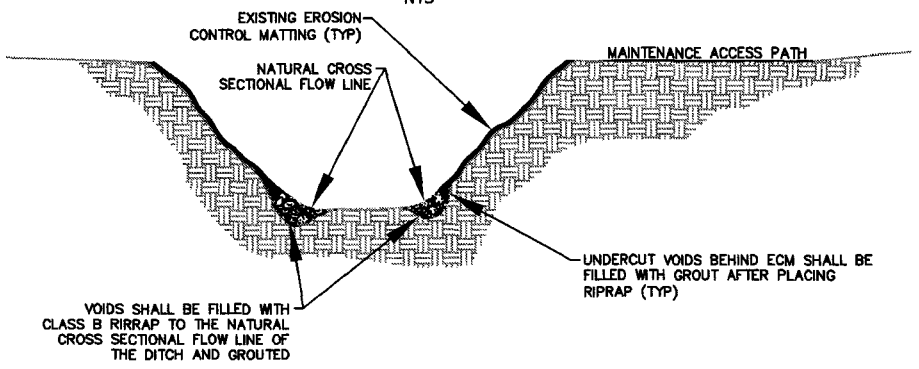
Refer to SCDOT Drawing No. 804-310-00
NTS

CHART 804-310A RIPRAP PLACEMENT			
DEPTH	PERCENT	MINIMUM SIZE	MAXIMUM SIZE
0-12"	100%	1.50"	4.75"
12-24"	100%	2.00"	6.00"
24-36"	100%	2.50"	7.50"



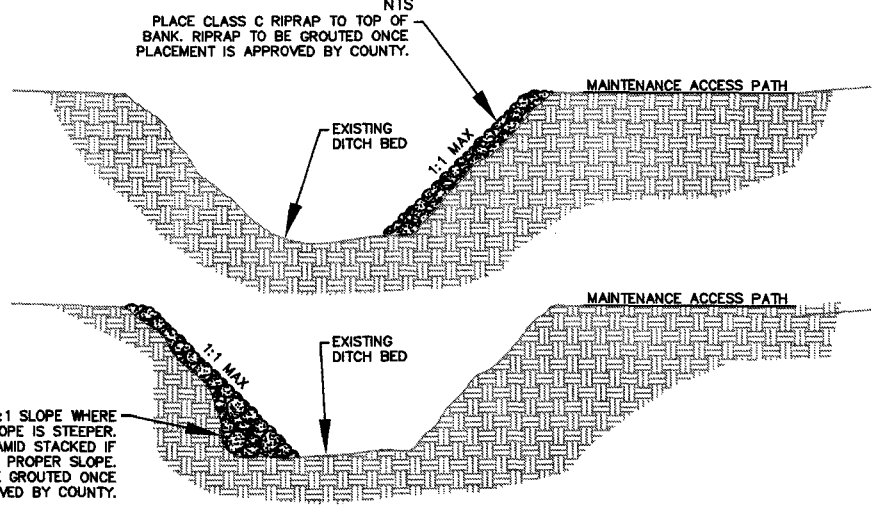
EROSION CONTROL MATTING TOE REINFORCEMENT DETAIL

NTS



RIPRAP BANK ARMORING DETAILS

NTS



APPLICATION BY RICHLAND COUNTY
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E11 Sheet	Scale NTS	Project R0010.07	Devils Ditch Maintenance Plan for Richland County Public Works			USACE EXHIBIT DETAILS	 1800 Huger Street - Columbia, SC 29201 - 803.252.0991
			February 2014	Richland County	South Carolina		